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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/584,221	06/20/2007	Noboru Abe	46453	1699
	7590 03/31/200 NISON & SELTER		EXAMINER	
2000 M STREE	ET NW SUITE 700		VALENROD, YEVGENY	
WASHINGTON, DC 20036-3307			ART UNIT	PAPER NUMBER
			1621	
			MAIL DATE	DELIVERY MODE
			03/31/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/584,221	ABE ET AL.				
Office Action Summary	Examiner	Art Unit				
	YEVEGENY VALENROD	1621				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period v - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	lely filed the mailing date of this communication. (35 U.S.C. § 133).				
Status						
Responsive to communication(s) filed on 20 Ju This action is FINAL . 2b) ☑ This Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro					
Disposition of Claims						
4) ☐ Claim(s) 1-5 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-5 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or Application Papers 9) ☐ The specification is objected to by the Examine 10) ☐ The drawing(s) filed on is/are: a) ☐ accertance applicant may not request that any objection to the orange.	r election requirement. r. epted or b)□ objected to by the B					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 2/08/07; 6/23/06.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ite				

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 1-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kodama et al. (EP 1,277,726 A1) in view of Harayama et al. (WO 2002/088075; US 2004/0116299 A1 is relied upon in this rejection as an English language equivalent).

Scope of prior art

Kodama et al. teach a method for the preparation of 2-halobenzoic acid derivatives via halogenation (including iodination) of the benzene ring in the ortho position using a Palladium catalyst (page 6 lines 1-21). The structure of the substrate

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and the product includes the compounds of the instant invention when moiety A is a sulfonyl or a sulfinyl group as defined on page 4, lines 4-20.

Ascertaining the difference between prior art and instant claims

Kodama et al. differ from the instant invention in that Katsuhira et al do not teach oxidation of the sulfur containing moiety as is required by the second step of the instantly claimed process.

Secondary reference

Harayama et al. teach oxidation of phthalamide derivative (II) to produce phthalamide derivative of formula (I). The compounds undergoing oxidation in Harayama et al. meet the core structural requirements of the oxidation substrates in the instant claims.

Obviousness

Applicants invention is comprised of two steps; halogenation followed by oxidation. Both of these steps are known in the art as evidenced by Kodama et al. and Harayama et al. The compounds produced by the applicants invention are known in the art (instant specification Background art). In order to produce the already known compounds one of ordinary skill in the art would find it obvious to combine the teachings of Kodama et al. and Harayamaet al. with expectation of success. The expectation of success is present because both references provide examples of performing the above described reactions. Without unexpected results, combining two known processes is deemed obvious.

Double Patenting

Claims 1-5 are rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1 and 4 of U.S. Patent No. 7,057,067 ('067) in view of Harayama et al. (WO 2002/088075; US 2004/0116299 A1 is relied upon in this rejection as an English language equivalent).

Scope of claims 1 and 4 of '067

In claims 1 and 4 of '067 a process for halogenation of a benzoic acid derivative using palladium catalyst is claimed. In claim 4, further structural limitations include the compounds of the instant invention.

Ascertaining the difference

'067 does not claim oxidation step that follows halogenation.

Secondary reference

Harayama et al. teach oxidation of phthalamide derivative (II) to produce phthalamide derivative of formula (I). The compounds undergoing oxidation in Harayama et al. meet the core structural requirements of the oxidation substrates in the instant claims.

Obviousness

It is obvious to combine two processes in the same manner as the said processes are individually described in the art. One of ordinary skill in the art would find obvious to combine the halogenation step of '067 with oxidation step of Harayama et al. with an expectation of being successful at producing the compound of general formula (I) as defined by the instant claims.

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Conclusion

Claims 1-5 are pending

Claims 1-5 are rejected

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yevgeny Valenrod whose telephone number is 571-272-9049. The examiner can normally be reached on 8:30am-5:00pm M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yvonne Eyler can be reached on 571-272-0871. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Patent Examiner
Technology Center 1600

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